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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/522,646	09/26/2005	Ranjit C. Desai	21173P	8757	
210 75	90 11/03/2006		EXAM	EXAMINER	
MERCK AND CO., INC			AULAKH, C	AULAKH, CHARANJIT	
P O BOX 2000 RAHWAY, NJ 07065-0907			ART UNIT	PAPER NUMBER	
			1625	1625	
			DATE MAILED: 11/03/2006	DATE MAILED: 11/03/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Commons	10/522,646	DESAI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Charanjit S. Aulakh	1625				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
	•					
3) Since this application is in condition for allowa						
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	•					
4)⊠ Claim(s) <u>1-14,16 and 28</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) 1-14 is/are allowed.						
6)⊠ Claim(s) <u>16 and 28</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9)⊠ The specification is objected to by the Examine	or .					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct	-··	, ,				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 1/24/05.	5) Notice of Informal P. 6) Other:					

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DETAILED ACTION

1. According to a preliminary amendment filed on Jan. 24, 2005, the applicants have canceled claims 15 and 17-27.

2. Claims 1-14, 16 and 28 are now pending in the application.

Specification

This application does not contain an abstract of the disclosure as required by 37
 CFR 1.72(b). An abstract on a separate sheet is required.

Claim Rejections - 35 USC § 112

4. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 16 and 28 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to use the invention. The following eight different factors (see Ex parte Foreman, 230 USPQ at 547; Wands, In re, 858.F. 2d 731, 8 USPQ 2d 1400, Fed. Cir. 1988) must be considered in order for the specification to be enabling for what is being claimed:

Quantity of experimentation necessary, the amount of direction or guidance provided, presence or absence of working examples, the nature of the invention, the state of the prior art, the relative skill of those in the art, the predictability or unpredictability and the breadth of claims. In the instant case, the specification is not enabling based on atleast

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four of the above mentioned eight different factors such as quantity of experimentation necessary, the amount of direction or guidance provided, presence of working examples, state of the prior art, unpredictability and the breadth of claims. The specification mentions that the instant compounds are agonists of PPAR-alpha receptors. However, there is no teaching or guidance present in the specification or prior art that hypoactivity of PPAR-alpha receptors is implicated in the etiology of lipid disorders mentioned in instant claim 16. There is no teaching in the prior art that structurally closely related compounds having agonist activity at PPAR-alpha receptors are well known to have therapeutic utility in treating lipid disorders. There are no working examples present showing efficacy of instant compounds alone or in combination with any other agent in known animal models of any lipid disorder. Although specification mentions various biological assays on pages 22-25 yet there is no teaching or data provided to show whether the instant compounds alone or in combination with any other agent were actually effective in any one of these assays. There is lot of unpredictability in correlating in vitro activity of a compound with in vivo activity since It is well known in the art that in vitro activity does not necessarily correlate with in vivo activity since unlike in vitro activity, in vivo activity is influenced by various factors such as absorption, metabolism, presence of various enzymes, hormones etc. The instant compounds of formula I encompasses hundreds of thousands of compounds based on the values of variables R1-R6, n, A, B, X and Y and therefore, in absence of such teachings, guidance, presence of working examples, unpredictability and prior art, it would require undue experimentation to demonstrate efficacy of instant

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compounds alone and/or in combination with thousands of other drugs mentioned in instant claim 28 in known animal models of all known lipid disorders and hence their utility for treating these disorders.

Allowable Subject Matter

- 6. The following is a statement of reasons for the indication of allowable subject matter: Claims 1-14 are allowed since the instant compounds of formula I and pharmaceutical compositions containing these compounds are neither disclosed nor obvious over the prior art. In the prior art, Sahoo (WO 02/26729, cited on applicant's form 1449) discloses benzopyrancarboxylic acid derivatives which are related to instant compounds. However, the compounds of Sahoo (see examples 1-29 on pages 30-33) differ in structure from the instant compounds in having different substituents present on the bezopyran ring as well as on the phenyl ring and furthermore, there is no teaching, suggestion or motivation in the prior art to modify the compounds of Sahoo to prepare the instant compounds.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charanjit S. Aulakh whose telephone number is (571)272-0678. The examiner can normally be reached on Monday through Friday, 8:30 A.M. to 5:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas McKenzie can be reached on (571)272-0670. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Charanjit S. Aulakh Primary Examiner Art Unit 1625